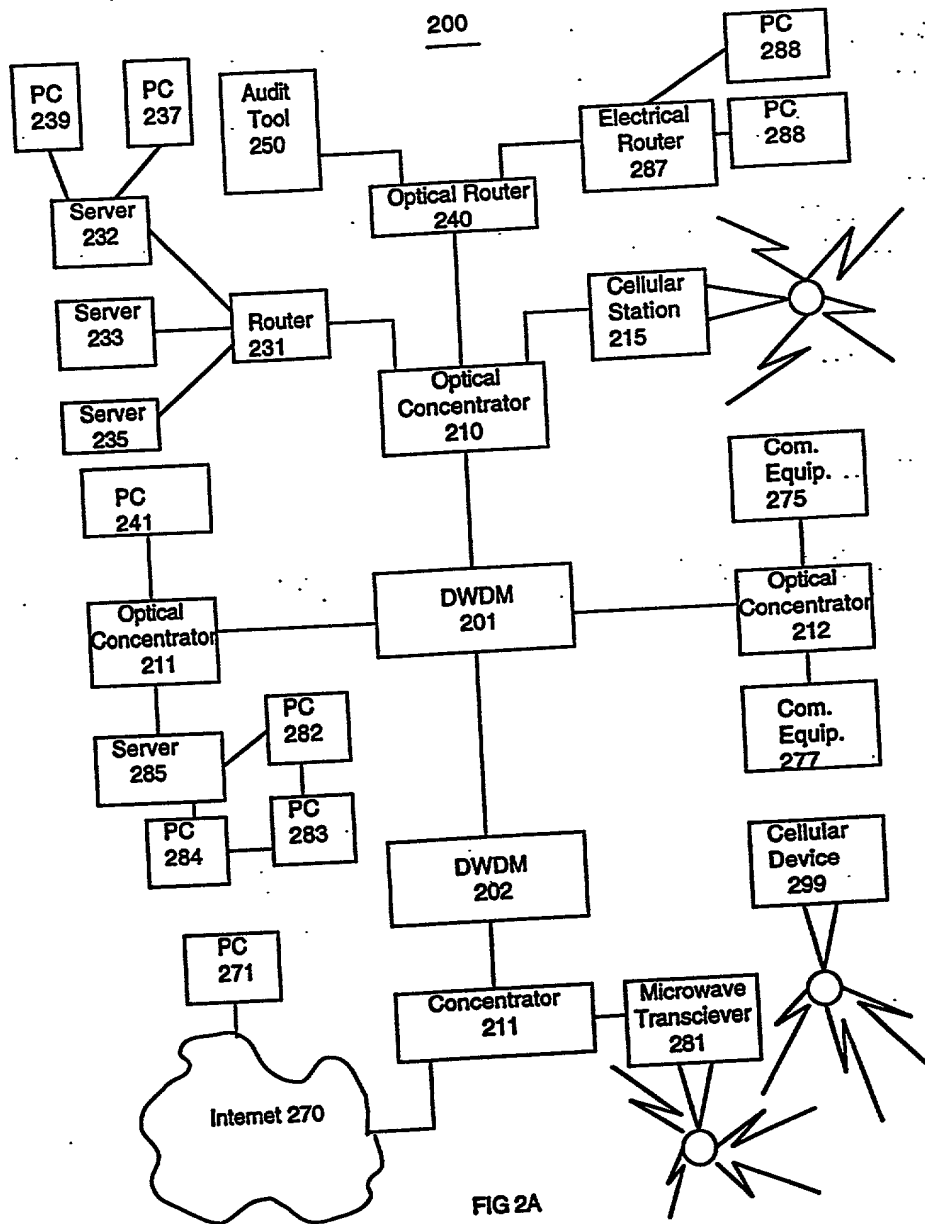


FIG. 1



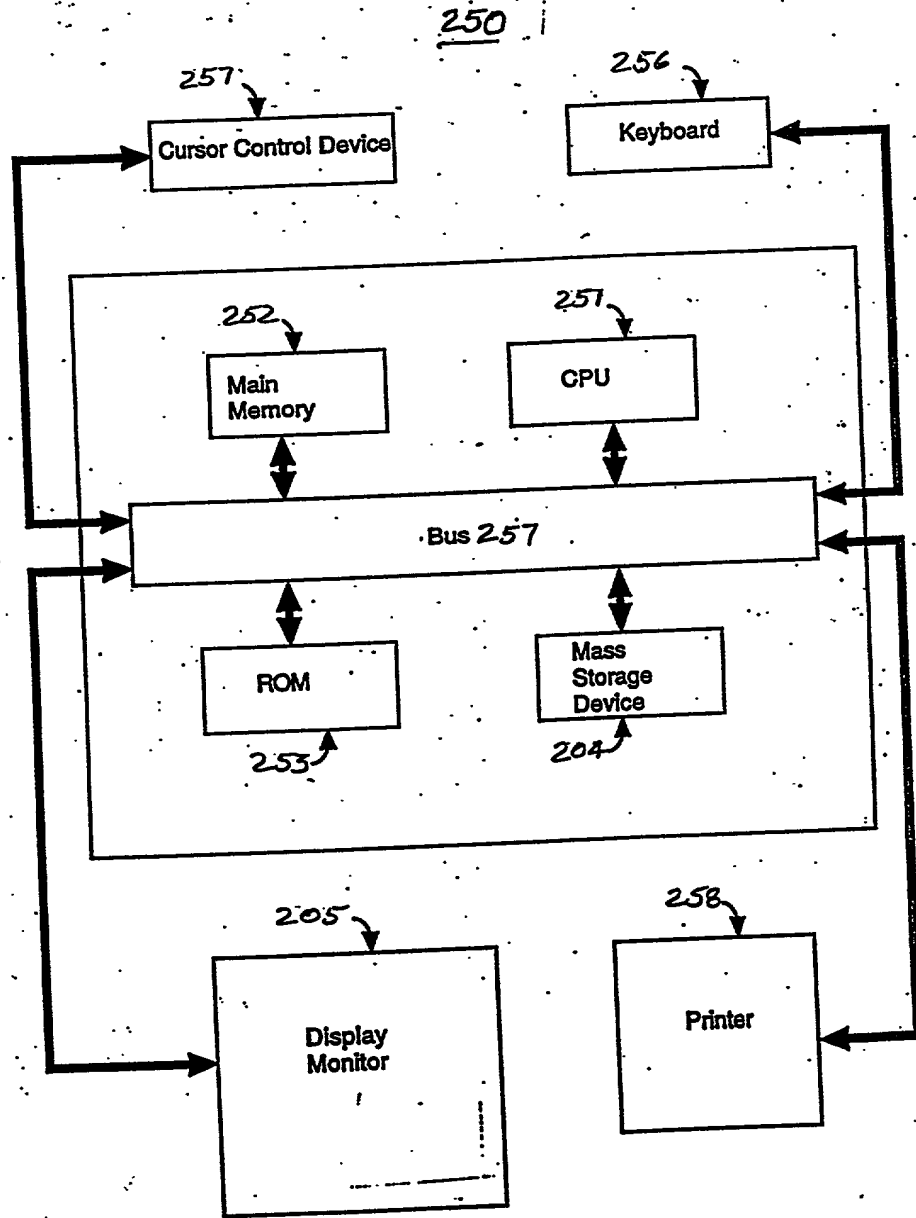


FIG. 28

300

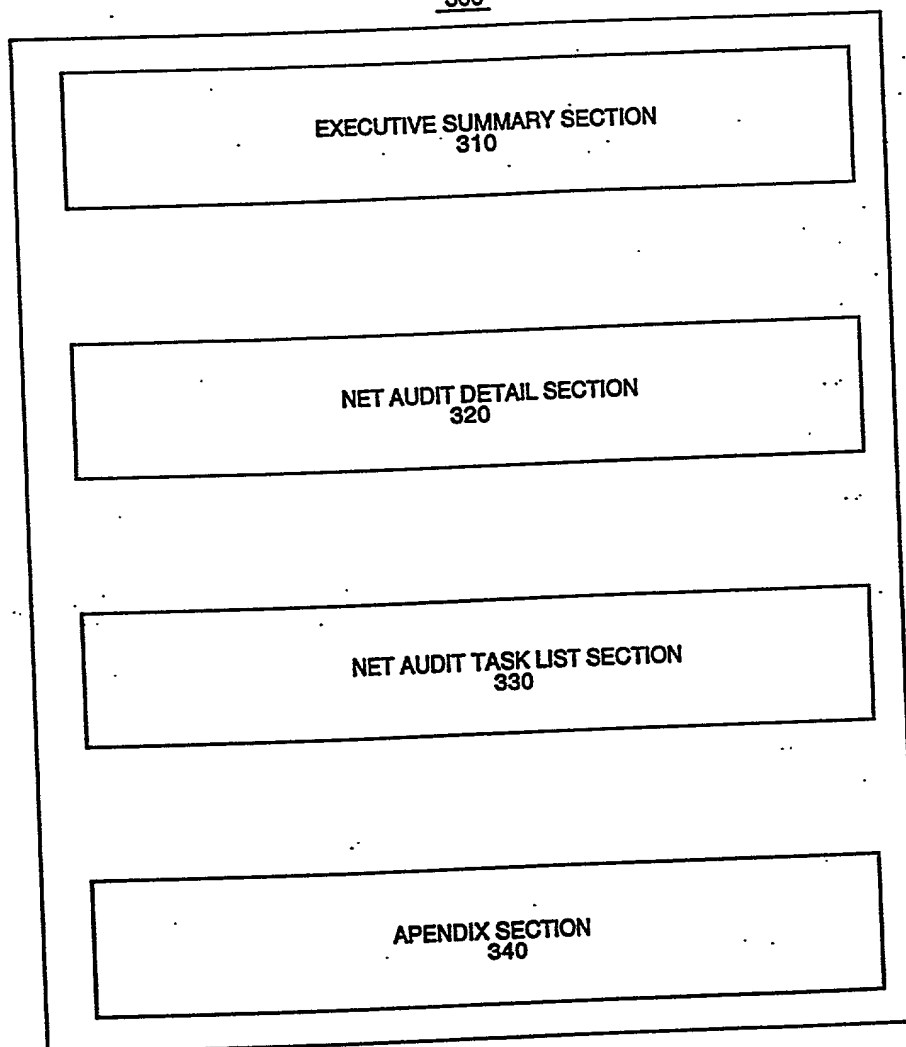


FIG 3

400

INTRODUCTION TO NETWORK DEVICE AUDIT  
410

NETWORK AUDIT DATA COLLECTION SUMMARY  
420

NETWORK AUDIT DATA COLLECTION GRAPH  
430

NETWORK AUDIT NREP SUMMARY  
440

FIG 4A

# INTRODUCTION TO: Network Optical Concentrator 15454 Audit.

Optical 15454 network audit provides a convenient identification of the network optical concentrators included in a network and assessment of those network optical concentrators. Network optical concentrators. This report assesses the health of these devices according to four network management categories (configuration management, fault management, performance management and capacity management) in a convenient format.

Fig AB

## NETWORK AUDIT DATA COLLECTION SUMMARY TABLE

Collection Period	
Collection Start Time	
Collection Stop Time	
Unreachable Nodes	

Fig AC

## NETWORK AUDIT DATA COLLECTION GRAPH

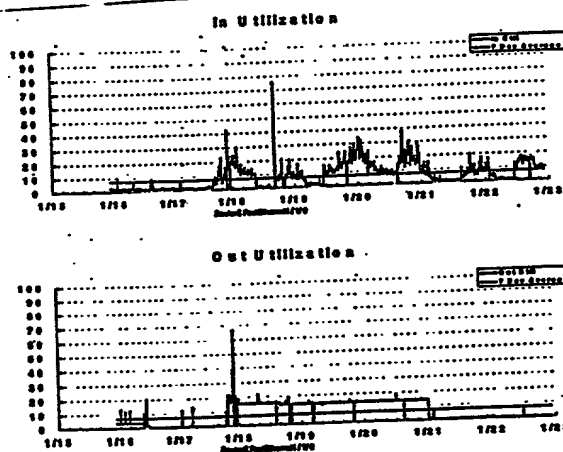


Fig AD

[illegible]

FIG 4E

500

Configuration Management Section 510	
System	511
Media	512
Protocol	513
Node	514

Fault Management Section 520	
System	521
Media	522
Protocol	523
Node	524

Performance Management Section 530	
System	531
Media	532
Protocol	533
Node	534

Capacity Management Section 540	
System	541
Media	542
Protocol	543
Node	544

Fig 5



009

## System NREPs:

**Model:**

Fig 6

Network Element Table

710

Network Element ID	Network Element Name	Network Element Type	Network Element Location

FIG. 7A

Board Table

720

Board ID	Board Name	Board Type	Board Location

FIG. 7B

BITS and Synchronization Reference Table

730

Network Element ID	Network Element Name	Network Element Type	Network Element Location	Board ID	Board Name	Board Type	Board Location	Bits	Synchronization Reference

FIG. 7C

## Network Element Protection Table

740

DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK	INITIALS
10/1/70	1000.00				
10/2/70	500.00				
10/3/70	250.00				
10/4/70	100.00				
10/5/70	75.00				
10/6/70	50.00				
10/7/70	25.00				
10/8/70	10.00				
10/9/70	5.00				
10/10/70	2.50				
10/11/70	1.25				
10/12/70	0.62				
10/13/70	0.31				
10/14/70	0.15				
10/15/70	0.08				
10/16/70	0.04				
10/17/70	0.02				
10/18/70	0.01				
10/19/70	0.00				
10/20/70	0.00				
10/21/70	0.00				
10/22/70	0.00				
10/23/70	0.00				
10/24/70	0.00				
10/25/70	0.00				
10/26/70	0.00				
10/27/70	0.00				
10/28/70	0.00				
10/29/70	0.00				
10/30/70	0.00				
10/31/70	0.00				
11/1/70	0.00				
11/2/70	0.00				
11/3/70	0.00				
11/4/70	0.00				
11/5/70	0.00				
11/6/70	0.00				
11/7/70	0.00				
11/8/70	0.00				
11/9/70	0.00				
11/10/70	0.00				
11/11/70	0.00				
11/12/70	0.00				
11/13/70	0.00				
11/14/70	0.00				
11/15/70	0.00				
11/16/70	0.00				
11/17/70	0.00				
11/18/70	0.00				
11/19/70	0.00				
11/20/70	0.00				
11/21/70	0.00				
11/22/70	0.00				
11/23/70	0.00				
11/24/70	0.00				
11/25/70	0.00				
11/26/70	0.00				
11/27/70	0.00				
11/28/70	0.00				
11/29/70	0.00				
11/30/70	0.00				
12/1/70	0.00				
12/2/70	0.00				
12/3/70	0.00				
12/4/70	0.00				
12/5/70	0.00				
12/6/70	0.00				
12/7/70	0.00				
12/8/70	0.00				
12/9/70	0.00				
12/10/70	0.00				
12/11/70	0.00				
12/12/70	0.00				
12/13/70	0.00				
12/14/70	0.00				
12/15/70	0.00				
12/16/70	0.00				
12/17/70	0.00				
12/18/70	0.00				
12/19/70	0.00				
12/20/70	0.00				
12/21/70	0.00				
12/22/70	0.00				
12/23/70	0.00				
12/24/70	0.00				
12/25/70	0.00				
12/26/70	0.00				
12/27/70	0.00				
12/28/70	0.00				
12/29/70	0.00				
12/30/70	0.00				
12/31/70	0.00				

Fig 7D

### Optical Facilities Protection Table

750

[illegible]

Fig. 7E

## Cross Connect Table

760

[illegible]

Fig. 7F.

## DS1 Service Parameters Table

770

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

Fig. ZG

## DS3 Service Parameters Table

780

Number of people affected	Age group	Gender	Occupation	Education	Religion	Marital status	Family size	Health status	Other factors
1	18-24	Male	Student	High school	Islam	Single	2	Good	None
2	25-34	Female	Teacher	University	Islam	Married	3	Good	None
3	35-44	Male	Engineer	University	Islam	Married	4	Good	None
4	45-54	Female	Homemaker	High school	Islam	Married	3	Good	None
5	55-64	Male	Retired	University	Islam	Married	4	Good	None
6	65-74	Female	Homemaker	High school	Islam	Married	3	Good	None
7	75-84	Male	Retired	University	Islam	Married	4	Good	None
8	85-94	Female	Homemaker	High school	Islam	Married	3	Good	None
9	95-104	Male	Retired	University	Islam	Married	4	Good	None
10	105-114	Female	Homemaker	High school	Islam	Married	3	Good	None

Fig 7H...

## Optical Service Parameters Table

790

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

Fig 7I

### Network Element Field Notice Table

0/3

[illegible]

Fig. 8:A

## Alarm Status Table

203

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

Fig. 8B

**Electrical Performance Table Near End.**

016

DATE	DESCRIPTION	AMOUNT	BALANCE
1/1/20	OPENING BALANCE		100.00
1/15/20	PAYROLL	50.00	150.00
1/31/20	RENT	20.00	130.00
2/1/20	SALES	75.00	205.00
2/15/20	PAYROLL	50.00	255.00
2/28/20	RENT	20.00	235.00
3/1/20	SALES	80.00	315.00
3/15/20	PAYROLL	50.00	365.00
3/31/20	RENT	20.00	345.00
4/1/20	SALES	90.00	435.00
4/15/20	PAYROLL	50.00	485.00
4/30/20	RENT	20.00	465.00
5/1/20	SALES	100.00	565.00
5/15/20	PAYROLL	50.00	615.00
5/31/20	RENT	20.00	595.00
6/1/20	SALES	110.00	705.00
6/15/20	PAYROLL	50.00	755.00
6/30/20	RENT	20.00	735.00
7/1/20	SALES	120.00	855.00
7/15/20	PAYROLL	50.00	905.00
7/31/20	RENT	20.00	885.00
8/1/20	SALES	130.00	1015.00
8/15/20	PAYROLL	50.00	1065.00
8/31/20	RENT	20.00	1045.00
9/1/20	SALES	140.00	1185.00
9/15/20	PAYROLL	50.00	1235.00
9/30/20	RENT	20.00	1215.00
10/1/20	SALES	150.00	1365.00
10/15/20	PAYROLL	50.00	1415.00
10/31/20	RENT	20.00	1395.00
11/1/20	SALES	160.00	1555.00
11/15/20	PAYROLL	50.00	1605.00
11/30/20	RENT	20.00	1585.00
12/1/20	SALES	170.00	1755.00
12/15/20	PAYROLL	50.00	1805.00
12/31/20	RENT	20.00	1785.00
TOTAL			1785.00

Fig 9A:

## Optical Performance Table Near End

920

[illegible]

Fig 9B

### Optical Performance Table Far End

930

[illegible]

Fig. 9C

## Network Element Capacity Table

1010.

DATE		DESCRIPTION	AMOUNT
10/1/20		DEPOSIT	100.00
10/5/20		PAYROLL	50.00
10/10/20		RENT	25.00
10/15/20		SALES	75.00
10/20/20		UTILITIES	10.00
10/25/20		SALES	60.00
10/30/20		SALES	40.00
11/5/20		SALES	30.00
11/10/20		SALES	20.00
11/15/20		SALES	10.00
11/20/20		SALES	5.00
11/25/20		SALES	5.00
11/30/20		SALES	5.00
12/5/20		SALES	5.00
12/10/20		SALES	5.00
12/15/20		SALES	5.00
12/20/20		SALES	5.00
12/25/20		SALES	5.00
12/30/20		SALES	5.00
1/5/21		SALES	5.00
1/10/21		SALES	5.00
1/15/21		SALES	5.00
1/20/21		SALES	5.00
1/25/21		SALES	5.00
1/30/21		SALES	5.00
2/5/21		SALES	5.00
2/10/21		SALES	5.00
2/15/21		SALES	5.00
2/20/21		SALES	5.00
2/25/21		SALES	5.00
2/28/21		SALES	5.00
3/5/21		SALES	5.00
3/10/21		SALES	5.00
3/15/21		SALES	5.00
3/20/21		SALES	5.00
3/25/21		SALES	5.00
3/30/21		SALES	5.00
4/5/21		SALES	5.00
4/10/21		SALES	5.00
4/15/21		SALES	5.00
4/20/21		SALES	5.00
4/25/21		SALES	5.00
4/30/21		SALES	5.00
5/5/21		SALES	5.00
5/10/21		SALES	5.00
5/15/21		SALES	5.00
5/20/21		SALES	5.00
5/25/21		SALES	5.00
5/30/21		SALES	5.00
6/5/21		SALES	5.00
6/10/21		SALES	5.00
6/15/21		SALES	5.00
6/20/21		SALES	5.00
6/25/21		SALES	5.00
6/30/21		SALES	5.00
7/5/21		SALES	5.00
7/10/21		SALES	5.00
7/15/21		SALES	5.00
7/20/21		SALES	5.00
7/25/21		SALES	5.00
7/30/21		SALES	5.00
8/5/21		SALES	5.00
8/10/21		SALES	5.00
8/15/21		SALES	5.00
8/20/21		SALES	5.00
8/25/21		SALES	5.00
8/30/21		SALES	5.00
9/5/21		SALES	5.00
9/10/21		SALES	5.00
9/15/21		SALES	5.00
9/20/21		SALES	5.00
9/25/21		SALES	5.00
9/30/21		SALES	5.00
10/5/21		SALES	5.00
10/10/21		SALES	5.00
10/15/21		SALES	5.00
10/20/21		SALES	5.00
10/25/21		SALES	5.00
10/30/21		SALES	5.00
11/5/21		SALES	5.00
11/10/21		SALES	5.00
11/15/21		SALES	5.00
11/20/21		SALES	5.00
11/25/21		SALES	5.00

Fig 10A

## Net Audit Task List Table

1020.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

Fig 10B

1030

#### Appendix D - Device Unreachable Table

Host Name	IP Address	Location	Device Type	Failure Reason
Router 1	PASS		router	
Router 2	PASS		C2900	

The Failure Type is one of the following:

- Duplicated\_Fail**  
Device is in the list more than once and data was unsuccessfully collected.
- Duplicated\_Pass**  
Device is in the list more than once and data was successfully collected.
- FAIL**  
Device either had unknown IDs or passwords, or could not be reached due to network problems.
- Not Used**  
Device was in the initial audit request but was not in the device list at the time of the collection.
- Switch**  
Device is a 2900 switch, not a router. NATId will be corrected in the future to properly classify the 2900 switches, so that they do not appear in the Router Stability Net Audit.
- Incomplete Command Set**  
During the data collection, one or more commands were not retrieved from the router, most likely because the connection between the NATId and the router failed.

Fig 10C



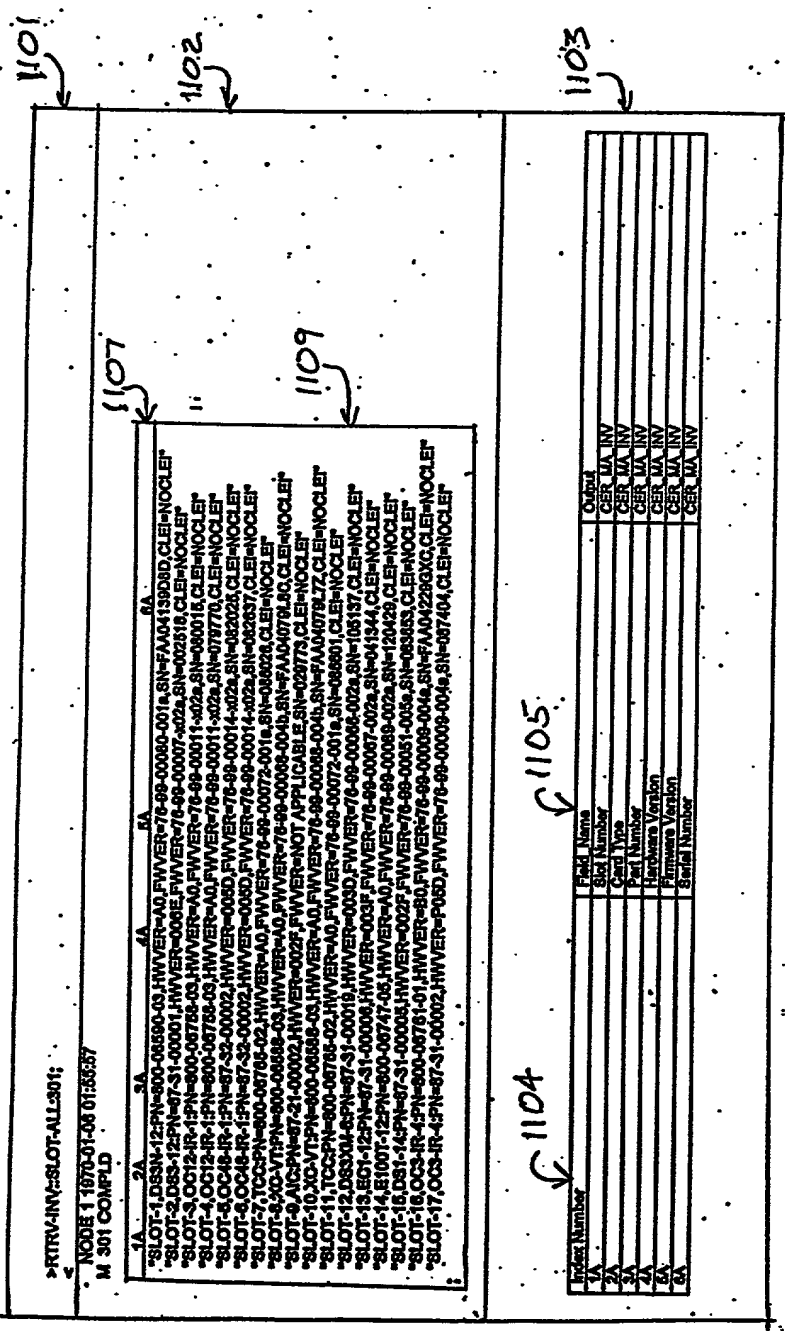


FIG 11A



FIG 11B

1131  
1132  
1133

Fig 11C

1131  
1132  
1133

COMMAND	RETRIEVED INFORMATION
RTRV-INV::SLOT-xxx:yyy;	Slot number, Card Type, Part Number, Hardware Version, Firmware Version, and Serial Number.
RTRV-NE::;	Internet Protocol (IP) Address, Synchronous Transfer Mode, Node Identification (ID), and Timing Mode.
RTRV-EQPT::SLOT-xxx:yyy;	Slot Number, Card Type, and Card Status.
RTRV-BITS::BITS-xxx:yyy;	BITS Reference Number, Line Coding, and Frame Format.
RTRV_SYNC::SYNC-NE:xxx:yyy;	Synchronization Sources such a First Primary Synchronization Source, Second Synchronization Source, and a Third Synchronization Source.
RTRV-ALM-ALL::yyy;	Alarms and associated Slot Numbers.
RTRV-TOD::yyy;	Time of Day.
RTRV-PM-OCvv:: FAC-xxx-ALL:yyy::,,,zz,;	Facility and Near End and Far End performance such as transmission and reception Severly Errored Framing Second (SEFS), Line Coding Violation (CVL), Line Errored Second (ESL), Line Severly Errored Second (SESL), Path Unavailable Second (UASP), Path Coding Violation (CVP), Path Errored Second (ESP), and Path Severly Errored Second (SESP). Transmission and reception NPJC and PPJC information.
RTRV-PM-T1: FAC-xxx-ALL:yyy::,,,zz,;	Facility and Near End performance such as transmission and reception Severly Errored Framing Second (SEFS), Line Coding Violation (CVL), Line Errored Second (ESL), Line Severly Errored Second (SESL), Line Unavailable Second (UASL) and Line Failure Count (FCL). Transmission and reception NPJC and PPJC information.
RTRV-OCvv:: FAC-xxx-ALL:yyy::,,,zz,;	Facility, Section DCC Enabled, Timing Source for TCC/TMG Card, Span Switch Wait to Restore Time, STA Monitored Facility for Pointer Justifications, Singal Failure Bit Error Ratio, Signl Degrade Bit Error Ratio Threshold, Facility state, Protection Group Role, and Protection Group Status.
RTRV-T3:CERENT:FAC-xxx-y:zz::,; or RTRV-T1:TID:FAC-vv-uu:yyyy;	Facility, Line Type, Line Coding, Line Buildout, and Primary Service State.
RTRV-FFP-EQPT::SLOT-vv:yyy;	Working Slot Number, Protection Slot Number, Protection Group, Protection name, Revertive Mode, and Revertive Time.
RTRV-FFP-OCvv::FAC-xx-yy:zz;	Retrieves Informatin on working Slot Number, Protection Slot Number, Protection Group, Protection name, Revertive Mode, Revertive Time and Bidirectional Switch Mode.
RTRV-CRS-ST3C::STS-vv-xx-:yyy;	Retrieves Information on From CRS, To CRS and CRS type.

Fig 11D

<p><b>OC3 Interfaces</b> If the number exceeds 1312 for a 15 min. interval or exceeds 13,120 for a 1-day interval</p> <p><b>OC12 Interfaces</b> If the number exceeds 5315 for a 15 min. interval or exceeds 53,250 for a 1-day interval</p> <p><b>OC48 Interfaces</b> If the number exceeds 21,260 for a 15 min. interval or exceeds 212,600 for a 1-day interval</p>	<p><b>Optical Performance Table Near and Far end Coding Violations</b></p>	<p>For OC3 interfaces If the number exceeds 1312 for a 15 min. interval or exceeds 13,120 for a 1-day interval are bolded red</p> <p>For OC12 interfaces If the number exceeds 5315 for a 15 min. interval or exceeds 53,250 for a 1-day interval are bolded red</p> <p>For OC48 interfaces If the number exceeds 21,260 for a 15 min. interval or exceeds 212,600 for a 1-day interval are bolded red</p>
<p><b>DS1 Interfaces</b> If the number exceeds 13,340 for a 15 min. interval or exceeds 133,400 for a 1-day interval</p> <p><b>DS-3 interfaces</b> If the number exceeds 387 for a 15 min. interval or exceeds 3865 for a 1-day interval</p> <p><b>EC-1 Interfaces</b> If the number exceeds 1312 for a 15 min. interval or exceeds 13,120 for a 1-day interval</p> <p><b>DS3004-S interface</b> If the number exceeds 387 for a 15 min. interval or exceeds 3865 for a 1-day interval</p> <p>If the number exceeds 87 for a 15 min. interval or exceeds 864 for a 1-day interval</p>	<p><b>Electrical Performance Table Near End table Coding Violations</b></p>	<p>For DS1 interfaces If the number exceeds 13,340 for a 15 min. interval or exceeds 133,400 for a 1-day interval are bolded red .</p> <p>For DS-3 interfaces If the number exceeds 387 for a 15 min. interval or exceeds 3865 for a 1-day interval are bolded red .</p> <p>For EC-1 interfaces If the number exceeds 1312 for a 15 min. interval or exceeds 13,120 for a 1-day interval are bolded red .</p> <p>For DS3004-S interface If the number exceeds 387 for a 15 min. interval or exceeds 3865 for a 1-day interval are bolded red</p>
<p>If the number exceeds 87 for a 15 min. interval or exceeds 864 for a 1-day interval</p>	<p><b>Optical Performance Table Near and Far end Errored Seconds</b></p>	<p>If the number exceeds 87 for a 15 min. interval or exceeds 864 for a 1-day interval are bolded red</p>
<p><b>DS1 Interfaces</b> If the number exceeds 85 for a 15 min. interval or exceeds 848 for a 1-day interval</p> <p><b>DS-3 interfaces</b> If the number exceeds 25 for a 15 min. interval or exceeds 250 for a 1-day interval</p> <p><b>EC-1 interfaces</b> If the number exceeds 87 for a 15 min. interval or exceeds 864 for a 1-day interval</p> <p><b>DS3004-S interface</b> If the number exceeds 25 for a 15 min. interval or exceeds 250 for a 1-day interval</p>	<p><b>Electrical Performance Table Near End table Errored Seconds</b></p>	<p>For DS1 interfaces If the number exceeds 85 for a 15 min. interval or exceeds 848 for a 1-day interval are bolded red DS-3 interfaces.</p> <p>For DS-3 interfaces If the number exceeds 25 for a 15 min. interval or exceeds 250 for a 1-day interval are bolded red .</p> <p>For EC-1 interfaces If the number exceeds 87 for a 15 min. interval or exceeds 864 for a 1-day interval are bolded red</p> <p>For DS3004-S interface If the number exceeds 25 for a 15 min. interval or exceeds 250 for a 1-day interval are bolded red</p>

FIG 11E

Net Fault	Warning	Description
<p>DS1 Interfaces If the number exceeds 10 for a 15 min. interval or exceeds 10 for a 1-day interval</p> <p>DS-3 Interfaces If the number exceeds 10 for a 15 min. interval or exceeds 10 for a 1-day interval</p> <p>EC-1 Interfaces If the number exceeds 10 for a 15 min. interval or exceeds 10 for a 1-day interval</p> <p>DS3DM-6 Interface If the number exceeds 10 for a 15 min. interval or exceeds 10 for a 1-day interval</p>	Severely Errored Frame (ASF)	<p>For DS1 Interfaces If the number exceeds 10 for a 15 min. interval or exceeds 10 for a 1-day interval are bolded red.</p> <p>For DS-3 Interfaces If the number exceeds 10 for a 15 min. interval or exceeds 10 for a 1-day interval are bolded red</p> <p>For EC-1 Interfaces If the number exceeds 10 for a 15 min. interval or exceeds 10 for a 1-day interval are bolded red.</p> <p>For DS3DM-6 Interface If the number exceeds 10 for a 15 min. interval or exceeds 10 for a 1-day interval are bolded red</p>
<p>If the number exceeds 1 for a 15 min. interval or exceeds 4 for a 1 day interval</p>	Optical Performance Table Near and Far and Severely Errored Seconds	<p>If the number exceeds 1 for a 15 min. interval or exceeds 4 for a 1 day interval are bolded red</p>
<p>DS1 Interfaces If the number exceeds 10 for a 15 min. interval or exceeds 100 for a 1-day interval</p> <p>DS-3 Interfaces If the number exceeds 4 for a 15 min. interval or exceeds 40 for a 1-day interval</p> <p>EC-1 Interfaces If the number exceeds 1 for a 15 min. interval or exceeds 4 for a 1-day interval</p> <p>DS3DM-6 Interface If the number exceeds 4 for a 15 min. interval or exceeds 40 for a 1-day interval</p>	Electrical Performance Near End table Severely Errored Seconds	<p>For DS1 Interfaces If the number exceeds 10 for a 15 min. interval or exceeds 100 for a 1-day interval are bolded red</p> <p>For DS-3 Interfaces If the number exceeds 4 for a 15 min. interval or exceeds 40 for a 1-day interval are bolded red</p> <p>For EC-1 Interfaces If the number exceeds 1 for a 15 min. interval or exceeds 4 for a 1-day interval are bolded red.</p> <p>For DS3DM-6 Interface If the number exceeds 4 for a 15 min. interval or exceeds 40 for a 1-day interval are bolded red</p>
<p>DS1 Interfaces If the number exceeds 3 for a 15 min. interval or exceeds 10 for a 1-day interval</p> <p>DS-3 Interfaces If the number exceeds 3 for a 15 min. interval or exceeds 10 for a 1-day interval</p> <p>EC-1 Interfaces If the number exceeds 3 for a 15 min. interval or exceeds 10 for a 1-day interval</p> <p>DS3DM-6 Interface If the number exceeds 10 for a 15 min. interval or exceeds 10 for a 1-day interval</p>	Slot Number	Displays Slot Number
<p>DS1 Interfaces If the number exceeds 3 for a 15 min. interval or exceeds 10 for a 1-day interval</p> <p>DS-3 Interfaces If the number exceeds 3 for a 15 min. interval or exceeds 10 for a 1-day interval</p> <p>EC-1 Interfaces If the number exceeds 3 for a 15 min. interval or exceeds 10 for a 1-day interval</p> <p>DS3DM-6 Interface If the number exceeds 10 for a 15 min. interval or exceeds 10 for a 1-day interval</p>	Electrical Performance Near End table Unavailable Seconds	<p>For DS1 Interfaces If the number exceeds 3 for a 15 min. interval or exceeds 10 for a 1-day interval are bolded red.</p> <p>For DS-3 Interfaces If the number exceeds 3 for a 15 min. interval or exceeds 10 for a 1-day interval are bolded red</p> <p>For EC-1 Interfaces If the number exceeds 3 for a 15 min. interval or exceeds 10 for a 1-day interval are bolded red</p> <p>For DS3DM-6 Interface If the number exceeds 10 for a 15 min. interval or exceeds 10 for a 1-day interval are bolded red</p>
<p>If the number exceeds 3 for a 15 min. interval or exceeds 10 for a 1 day interval</p>	Optical Performance Table Near and Far and Unavailable Seconds	<p>If the number exceeds 3 for a 15 min. interval or exceeds 10 for a 1 day interval are bolded red</p>

FIG 11 F

Field / Notice Number	Card Type	Hardware Version	Firmware Version	Software Version	Description	Recommendation
12851	E100T	800-00741-05 A0 or prior	N/A	N/A	Incorrect coding in C2 byte of optical backdoor facility. All versions of the E100T card prior to 800-00741-05 A0 will require a hardware upgrade to support features introduced in version 2.2 (Cisco Transport Controller) and later.	Old revision boards will not operate with CTC 2.2. It is important to understand that without the upgraded cards Ethernet traffic will not operate using CTC 2.2. If you need additional technical assistance, please call the Cisco Technical Assistance Center at (877) 323-7389.
19	OC12 Cards	800-00759-01 A0 800-00759-01 A0 800-00760-01 A0	N/A	N/A	Bit errors may be seen on an OC-12 card when the incoming line frequency is less than the NE's internal clock by more than 4ppm. This can happen as a result of synchronization problems in the network, or if the node is operating in free running synchronous mode. Bit errors may be seen when synchronization testing of references with a frequency by 4 ppm or more, or when networks are configured to free running synchronous mode.	This issue has been corrected in the current release of all OC-12 cards (Part # 800-00759-02, 800-00759-02, 800-00760-02) and all subsequent versions. If you need additional technical assistance, please call the Cisco Technical Assistance Center at (877) 323-7389.
12852	TCC card	serial number of ranges of 31650 and 45500 and FAA0420001 through FAA043048A	N/A	N/A	While performing a software upgrade to specific TCCs or activating software on specific TCCs these processes may fail. Additional failure symptoms could include unexplained results of the TCC.	Screen each node to determine if these defective TCCs are present and replace them if they are identified to contain the defective component. If you need additional technical assistance, please call the Cisco Technical Assistance Center at (877) 323-7389.

Fig 12

Command	Key Variable (e)	Section	Sub Section	MIS (if applicable)	Test Freq	Net Info	Net Advice	Include?
RTRV-OC48-FAC-6-1236;		Perform since Configuration Fault	System Media		hourly	BIT ErrorRate For Signal Fail - the default value is 1E-4. It has been determined that your value is something other than the default. BIT Error Rate For Signal Degrade - the default value is 1E-7. It has been determined that your value is something other than the default.	Verify the current value set and investigate why it has changed from default. In some networks, tuning is advantageous and values other than default are acceptable.	✓
RTRV-TS-CERENT-FAC-1-2123mm		Perform since Configuration Fault	System Media		hourly	Line type - the default value for all DS and EC interfaces except the DS304-6 is D4. The default value for the DS304-6 is C BL. It has been determined that your value is something other than the default. Line Code - the default value for all DS and EC interfaces except the DS304-6 is AMI. The default value for the DS304-6 interface is B325. It has been determined that your value is something other than the default. Circuit Line Buildout - the default value for DS-1 interfaces is 0-131. The default value for EC-1 and DS-3 interfaces is 0-255. The default value for the EC-12 interfaces is 0-255. It has been determined that your value is something other than the default.	Verify the current value set and investigate why it has changed from default. In some networks, tuning is advantageous and values other than default are acceptable.	✓
RTRV-TL-TID-FAC-2-1123mm		Perform since Configuration Fault	System Media		hourly	Line type - the default value for all DS and EC interfaces except the DS304-6 is D4. The default value for the DS304-6 is C BL. It has been determined that your value is something other than the default. Line Code - the default value for all DS and EC interfaces except the DS304-6 is AMI. The default value for the DS304-6 interface is B325. It has been determined that your value is something other than the default. Circuit Line Buildout - the default value for DS-1 interfaces is 0-131. The default value for EC-1 and DS-3 interfaces is 0-255. The default value for the EC-12 interfaces is 0-255. It has been determined that your value is something other than the default.	Verify the current value set and investigate why it has changed from default. In some networks, tuning is advantageous and values other than default are acceptable.	✓

Fig 13